PCT

REQUEST

For receiving Office use only	_
International Application No.	
International Filing Date	
Name of receiving Office and "PCT International Application"	

The undersigned requests that the pro- international application be process according to the Patent Cooperation T	Name of receiving Off	ice and "PCT Inte	ernational Application"			
	Applicant's or agent's file reference (if desired) (12 characters maximum) 209235/PRS					
Box No. I TITLE OF INVENTION FREQUENCY HOPPING SPREAD	SPECTRUM	1 COMMUNICATI	ON SYSTEM			
Box No. II APPLICANT	This person	n is also inventor				
Name and address: (Family name followed by given in The address must include postal code and name of count Box is the applicant's State (that is, country) of residence is	1. <i>100 comment of th</i>	he address indicated in this	Telephone No.			
NOKIA CORPORATION Keilalahdentie 4			Facsimile No.			
FIN-02150 Espoo Finland			Teleprinter No.			
			Applicant's regi	stration No. with the Office		
State (that is, country) of nationality:		State (that is, country)	of residence:			
This person is applicant all designated for the purposes of:	all designated the United St		the United States of America only	the States indicated in the Supplemental Box		
Box No. III FURTHER APPLICANT(S) AN	ND/OR (FURTI	HER) INVENTOR(S)	<u> </u>			
Name and address: (Family name followed by given not the address must include postal code and name of country Box is the applicant's State (that is, country) of residence if SIVAKUMAR, T.V.L.N. House #201, Fukushima-kopo 3-17-17 Chuohoncho Adachi-ku Tokyo, Japan	 I has consumered at the 	ne address indicated in this re is indicated below.)	inventor is marke	nt only It and inventor It only (If this check-box It do not fill in below.) Stration No. with the Office		
State (that is, country) of nationality: IN		State (that is, country) JP	of residence:			
This person is applicant for the purposes of:	all designated the United Sta		the United States of America only	the States indicated in the Supplemental Box		
X Further applicants and/or (further) inventor	s are indicated or	n a continuation sheet.				
Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE						
The person identified below is hereby/has been apof the applicant(s) before the competent Internation	onal Authorities	as:	agent	common representative		
Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include posted code and name of country.) SLINGSBY: Destine Description Description of the posted code and name of country.) Telephone No. 020 7831 7929						
SLINGSBY; Philip Roy PAGE WHITE & FARRER	Facsimile No. 020 7831 8					
54 Doughty Street	Teleprinter No.					
London WC1N 2LS United Kingdom	8955681					
omica rangaom	Agent's registrat	ion No. with the Office				
Address for correspondence: Mark this che space above is used instead to indicate a special control of the space above.	teck-box where r	no agent or common rep	resentative is/has	been appointed and the		

01		No.		٠,	
- Nn	1991	N/A		_	

Continuation of Box No. 111 FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)						
If none of the following sub-boxes is used, this sheet should not be included in the request.						
Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) ERIKSSON, Timo Olavi Hatanodai 6-5-5 Shinagawa-ku Tokyo 152-0002 Japan	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office					
State (that is, country) of nationality: State (that is, country)) of recidence:					
FI JP	y of residence.					
This person is applicant for the purposes of: all designated all designated States except the United States of America	the United States of America only the States indicated in the Supplemental Box					
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office					
State (that is, country) of nationality: State (that is, country)) of residence:					
This person is applicant all designated all designated States except the United States of America	the United States of America only the States indicated in the Supplemental Box					
Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence of no State of residence is indicated below.) This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office						
State (that is, country) of nationality: State (that is, country)	O of residence:					
This person is applicant all designated all designated States except the United States of America	the United States of America only the States indicated in the Supplemental Box					
Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office					
State (that is, country) of nationality: State (that is, country) of residence:						
This person is applicant all designated all designated States except the purposes of: all designated the United States of America	the United States of America only the States indicated in the Supplemental Box					
Further applicants and or (further) inventors are indicated on another continuation sheet.						

Sheet No. ...3...

Bo	x No.	V DESIGNATION OF STATES	;	Mark the applicable check-boxes below	; at le	eas	t one must be marked.	
The following designations are hereby made under Rule 4.9(a):								
		al Patent	under	1 Kuic 4.5(a).				
	_			THE REPORT OF THE PARTY			: M7.M L' 00.0 L	
ie.	AP ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT (if other kind of protection or treatment desired, specify on dotted line).							
		RU Russian Federation, TJ Tajikist Patent Convention and of the PCT	tan, T	erbaijan, BY Belarus, KG Kyrgyzstan, I'M Turkmenistan, and any other State v	vhich	is	a Contracting State of the Eurasian	
	EP							
	OA	OAPI Patent: BF Burkina Faso, & GA Gabon, CN Guinea, GQ Equal TD Chad, TG Togo, and any other	BJ Be torial State	enin, CF Central African Republic, CG Guinea, GW Guinea-Bissau, ML Mal which is a member State of OAPI and is on dotted line)	Con i, MI a Con	go, R N itra	CI Côte d'Ivoire, CM Cameroon, Mauritania, NE Niger, SN Senegal, cting State of the PCT (if other kind	
Na	tiona	al Patent (if other kind of protection	or tro	cument desired, specify on dotted line):				
		United Arab Emirates			X 1	ΝZ	New Zealand	
X	AG .	Antigua and Barbuda	X H	R Croatia	X (OM	l Oman	
X	AL .	Albania	X) 11	IU Hungary	X F	PH	Philippines	
X	AM.	Armenia	X 11	D Indonesia	⊠ 1	PI.	Poland	
X	AT A	Austria	X	L Israel	X F	PT	Portugal	
100	AU A	Australia	X II	N India				
	AZ A	Azerbaijan	MAD I	S Iceland	EX F	RU	Russian Federation	
	DA I	Barbados	DEU 1.	IP Japan	10 1 .			
K	BC I	Bulgaria	150 L	KE KenyaKG Kyrgyzstan	MAN S	SD	Sudan	
X	RR	Brazil	127 L/ 120 L/	KP Democratic People's Republic	102 S	E	Singapa	
K	BY	Belarus	MODEL IV	of Korea				
				KR Republic of Korea	E	n K	Slovelia	
		Canada	ĭX κ	KZ Kazakhstan	X S	31.	Sierra I cone	
X	CH &	& LI Switzerland and Liechtenstein	Ø L	C Saint Lucia	X 7	ΓJ	Tajikistan	
X	CN 0	China	₩ L	LK Sri Lanka			Turkmenistan	
		Colombia	🛭 L	.R Liberia	X 1	ſΝ	Tunisia	
X	CR (Costa Rica	X L	S Lesotho	X T	۲R	Turkey	
X	CU (Cuba	XX L	T Lithuania	X 1	ГТ	Trinidad and Tobago	
		Czech Republic						
		Germany			Ø 1	ΓZ	United Republic of Tanzania	
X	DK I	Denmark	ĭX v	NA Morocco	🗵 (JA	Ukraine	
_		Dominica	X N	1D Republic of Moldova	₩ ı	JG	Uganda	
		Algeria			ו 🔀	JS		
	EC I	Ecuador	BZI N	IG Madagascar	.			
	FS S	Spain	Men IV	MKThe former Yugoslav Republic of	(X) L	JZ	Uzbekistan	
$\tilde{\mathbf{x}}$	FI I	Finland	121 .	Macedonia		Z	Yugoslavia	
X		United Kingdom	DE A	MWMalawi		7 4	South Africa	
X		Grenada	M M	IX Mexico	X 2	л Л	Zambia	
X	GE (Georgia	🛛 N	IZ Mozambique	X 2	ZW	Zimbabwe	
X	GH (Ghana	X N	NO Norway				
Ch	•							
	Check-boxes below reserved for designating States which have become party to the PCT after issuance of this sheet:							
			$\bar{\Box}$				•••••	
Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)								

Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

- If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which a special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No..." (indicate the number of the Box, and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular.
- (i) if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. II" and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurusian, European or OAPI patent) for the purposes of which the named person is applicant;
- (iii) if, in Box No. Il or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor:
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV:
- (v) if, in Box No. V, the name of any State (or O.1P1) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAP1), and after the name of each such State (or OAP1), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;
- (vi) if, in Box No. VI, there are more than five earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- If, with regard to the precautionary designation statement contained in Box No. V, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.

Continuation of Box IV

Agents continued

JENKINS; Peter David (GB)
DRIVER; Virginia Rozanne (GB)
DANIELS; Jeffery Nicholas (GB)
STYLE; Kelda Camilla Karen (GB)
SHACKLETON; Nicola (GB)
SLINGSBY; Philip Roy (GB)
HILL; Christopher Michael (GB)
RUUSKANEN; Juha-Pekka (FI)
WILLIAMS; David John (GB)
EVANS; Marc Nigel (GB)
EVENSON; Jane Harriet (GB)

All of:

PAGE WHITE & FARRER 54 Doughty Street London WC1N 2LS United Kingdom

~.		5	
Sheet	No.	 .Ÿ.	

Box No. VI PRIORITY CLAIM							
The	priority of the following	earlier application(s) is here	by claimed:				
Filing date Number			Where earlier application is:				
_ c	of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office		
item 3	(1) 1 December 2001 (31.12.01)	0131117.4	GB				
item	1 (2)						
iten	n (3)						
iten	1 (4)						
item	1 (5)						
	Further priority claims	are indicated in the Suppleme	ental Box.				
if the	earlier application was f	sted to prepare and transmit filed with the Office which for	to the International Bureau the purposes of this interna	u a certified copy of the e	arlier application(s) (only ecciving Office) identified		
abov	ve as: all items item (1) item (2)	item (3) item	(4) item (5)	other, see Supplemental Box		
* Wi Indu	here the earlier application estrial Property or one Me	on is an ARIPO application, in ember of the World Trade Or	ganization for which that c	earlier application was fil	ed (Rule 4.10(b)(ii)):		
Box	No. VII INTERNAT	IONAL SEARCHING AUT	THORITY				
inter ISA	ice of International Sea national search, indicate	rching Authority (ISA) (if the the Authority chosen: the two		Searching Authorities are	competent to carry out the		
Req	uest to use results of ear	rlier search: reference to t		earch has been carried ou	t by or requested from the		
inter	national Searching Autho (dav/month/year)	<i>oring:</i> Numb					
	eptember 2002 (02.0			try (or regional Office) GB			
	No. VIII DECLARAT						
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable Number of check-boxes below and indicate in the right column the number of each type of declaration): declarations							
	Box No. VIII (i) Declaration as to the identity of the inventor: Box No. VIII (i) Declaration as to the identity of the inventor :						
	Box No. VIII (ii) Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent:						
	Box No. VIII (iii) Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application :						
	Box No. VIII (iv) Declaration of inventorship (only for the purposes of the designation of the United States of America):						
	Box No. VIII (v) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty :						

Sheet No. ...6...

Box No. IX CHECK LIST; LANGUAGE OF FILING						
Box No. IX CHECK LIST; LANGUAGE This international application contains: (a) the following number of sheets in paper form: request (including declaration sheets) 6 description (excluding sequence listing part) 8 claims 1 abstract 1 drawings 6 Sub-total number of sheets 22 sequence listing part of description (actual number of sheets if filed in paper form, whether or not also filed in computer readable form; see (b) below) Total number of sheets 22 (b) sequence listing part of description filed in computer readable form (i) □ only (under Section 801(a)(i))	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item): 1.	: : : : : : : : : : : : : :				
 (ii) ☐ in addition to being filed in paper form (under Section 801(a)(ii)) Type and number of carriers (diskette, CD-ROM, CD-R or other) on which the sequence listing part is contained (additional copies to be indicated under item 9(ii), in right column): 	mentioned in left column	able, nder :				
Figure of the drawings which	10 other (specify):	:				
should accompany the abstract: 5	international application: English					
Next to each signature, indicate the name of the person si	Box No. X SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request). DRIVER, Virginia Rozanne - Authorised representative					
Date of actual receipt of the purported	For receiving Office use only	Drawings				
3. Corrected date of actual receipt due to later timely received papers or drawings complet the purported international application: 4. Date of timely receipt of the required corrections under PCT Article 11(2):	but [received:				
5. International Searching Authority (if two or more are competent): ISA /	6. Transmittal of search copy delayed until search fee is paid					
For International Bureau use only						
Date of receipt of the record copy by the International Bureau:						